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RAW SEQUENCE LISTING  
PATENT APPLICATION: US/09/555,275A

DATE: 06/11/2002  
TIME: 16:07:50

Input Set : A:\Substitute Sequence Listing.050179.0081.txt  
Output Set: N:\CRF3\06112002\I555275A.raw

3 <110> APPLICANT: Commonwealth Scientific and Industrial Research Organisation  
 5 <120> TITLE OF INVENTION: Method of Designing Agonists and Antagonists to IGF Receptor  
 7 <130> FILE REFERENCE: 050179-0081  
 9 <140> CURRENT APPLICATION NUMBER: 09/555,275A  
 10 <141> CURRENT FILING DATE: 2000-05-26  
 12 <150> PRIOR APPLICATION NUMBER: PCT/AU98/00998  
 13 <151> PRIOR FILING DATE: 1998-11-27  
 15 <150> PRIOR APPLICATION NUMBER: PP2598  
 16 <151> PRIOR FILING DATE: 1998-03-25  
 18 <150> PRIOR APPLICATION NUMBER: PP0585  
 19 <151> PRIOR FILING DATE: 1997-11-27  
 21 <160> NUMBER OF SEQ ID NOS: 16  
 23 <170> SOFTWARE: PatentIn version 3.1  
 25 <210> SEQ ID NO: 1  
 26 <211> LENGTH: 150  
 27 <212> TYPE: PRT  
 28 <213> ORGANISM: Homo sapiens  
 30 <400> SEQUENCE: 1  
 32 Glu Ile Cys Gly Pro Gly Ile Asp Ile Arg Asn Asp Tyr Gln Gln Leu  
 33 1 5 10 15  
 36 Lys Arg Leu Glu Asn Cys Thr Val Ile Glu Gly Tyr Leu His Ile Leu  
 37 20 25 30  
 40 Leu Ile Ser Lys Ala Glu Asp Tyr Arg Ser Tyr Arg Phe Pro Lys Leu  
 41 35 40 45  
 44 Thr Val Ile Thr Glu Tyr Leu Leu Phe Arg Val Ala Gly Leu Glu  
 45 50 55 60  
 48 Ser Leu Gly Asp Leu Phe Pro Asn Leu Thr Val Ile Arg Gly Trp Lys  
 49 65 70 75 80  
 52 Leu Phe Tyr Asn Tyr Ala Leu Val Ile Phe Glu Met Thr Asn Leu Lys  
 53 85 90 95  
 56 Asp Ile Gly Leu Tyr Asn Leu Arg Asn Ile Thr Arg Gly Ala Ile Arg  
 57 100 105 110  
 60 Ile Glu Lys Asn Ala Asp Leu Cys Tyr Leu Ser Thr Val Asp Trp Ser  
 61 115 120 125  
 64 Leu Ile Leu Asp Ala Val Ser Asn Asn Tyr Ile Val Gly Asn Lys Pro  
 65 130 135 140  
 68 Pro Lys Glu Cys Gly Asp  
 69 145 150  
 72 <210> SEQ ID NO: 2  
 73 <211> LENGTH: 157  
 74 <212> TYPE: PRT  
 75 <213> ORGANISM: Homo sapiens  
 77 <400> SEQUENCE: 2

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79 His Leu Tyr Pro Gly Glu Val Cys Pro Gly Met Asp Ile Arg Asn Asn  
 80 1 5 10 15  
 83 Leu Thr Arg Leu His Glu Leu Glu Asn Cys Ser Val Ile Glu Gly His  
 84 20 25 30  
 87 Leu Gln Ile Leu Leu Met Phe Lys Thr Arg Pro Glu Asp Phe Arg Asp  
 88 35 40 45  
 91 Leu Ser Phe Pro Lys Leu Ile Met Ile Thr Asp Tyr Leu Leu Leu Phe  
 92 50 55 60  
 95 Arg Val Tyr Gly Leu Glu Ser Leu Lys Asp Leu Phe Pro Asn Leu Thr  
 96 65 70 75 80  
 99 Val Ile Arg Gly Ser Arg Leu Phe Phe Asn Tyr Ala Leu Val Ile Phe  
 100 85 90 95  
 103 Glu Met Val His Leu Lys Glu Leu Gly Leu Tyr Asn Leu Met Asn Ile  
 104 100 105 110  
 107 Thr Arg Gly Ser Val Arg Ile Glu Lys Asn Asn Glu Leu Cys Tyr Leu  
 108 115 120 125  
 111 Ala Thr Ile Asp Trp Ser Arg Ile Leu Asp Ser Val Glu Asp Asn His  
 112 130 135 140  
 115 Ile Val Leu Asn Lys Asp Asp Asn Glu Glu Cys Gly Asp  
 116 145 150 155  
 119 <210> SEQ ID NO: 3  
 120 <211> LENGTH: 165  
 121 <212> TYPE: PRT  
 122 <213> ORGANISM: Homo sapiens  
 124 <220> FEATURE:  
 125 <221> NAME/KEY: MISC\_FEATURE  
 126 <222> LOCATION: (15)..(24)  
 127 <223> OTHER INFORMATION: Protein sequence known but not provided in Figure 6a  
 130 <220> FEATURE:  
 131 <221> NAME/KEY: MISC\_FEATURE  
 132 <222> LOCATION: (109)..(110)  
 133 <223> OTHER INFORMATION: Protein sequence known but not provided in Figure 6a  
 136 <400> SEQUENCE: 3  
 W--> 138 Leu Glu Glu Lys Val Cys Gln Gly Thr Ser Asn Lys Leu Xaa Xaa  
 139 1 5 10 15  
 W--> 142 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Phe Leu Ser Leu Gln Arg Met Phe Asn  
 143 20 25 30  
 146 Asn Cys Glu Val Val Leu Gly Asn Leu Glu Ile Thr Tyr Val Gln Arg  
 147 35 40 45  
 150 Asn Tyr Asp Leu Ser Phe Leu Lys Thr Ile Gln Glu Val Ala Gly Tyr  
 151 50 55 60  
 154 Val Leu Ile Ala Leu Asn Thr Val Glu Arg Ile Pro Leu Glu Asn Leu  
 155 65 70 75 80  
 158 Gln Ile Ile Arg Gly Asn Met Tyr Tyr Glu Asn Ser Tyr Ala Leu Ala  
 159 85 90 95  
 W--> 162 Val Leu Ser Asn Tyr Asp Ala Asn Lys Thr Gly Leu Xaa Xaa Lys Pro  
 163 100 105 110  
 166 Met Arg Asn Leu Gln Glu Ile Leu His Gly Ala Val Arg Phe Ser Asn  
 167 115 120 125

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Input Set : A:\Substitute Sequence Listing 050179.0081.txt  
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170 Asn Pro Ala Leu Cys Asn Val Glu Ser Ile Gln Trp Arg Asp Ile Val  
 171 130 135 140  
 174 Ser Ser Asp Phe Leu Ser Asn Met Ser Met Asp Phe Gln Asn His Leu  
 175 145 150 155 160  
 178 Gly Ser Cys Gln Lys  
 179 165  
 182 <210> SEQ ID NO: 4  
 183 <211> LENGTH: 167  
 184 <212> TYPE: PRT  
 185 <213> ORGANISM: Homo sapiens  
 187 <220> FEATURE:  
 188 <221> NAME/KEY: MISC\_FEATURE  
 189 <222> LOCATION: (11)..(17)  
 190 <223> OTHER INFORMATION: Protein sequence known but not provided in Figure 6a  
 193 <220> FEATURE:  
 194 <221> NAME/KEY: MISC\_FEATURE  
 195 <222> LOCATION: (44)..(50)  
 196 <223> OTHER INFORMATION: Protein sequence known but not provided in Figure 6a  
 199 <400> SEQUENCE: 4  
 W--> 201 Lys Val Cys Asn Gly Ile Gly Ile Gly Glu Xaa Xaa Xaa Xaa Xaa Xaa  
 202 1 5 10 15  
 W--> 205 Xaa Asn Ala Thr Asn Ile Lys His Phe Lys Asn Cys Thr Ser Ile Ser  
 206 20 25 30  
 W--> 209 Gly Asp Leu His Ile Leu Pro Val Ala Phe Arg Xaa Xaa Xaa Xaa Xaa  
 210 35 40 45  
 W--> 213 Xaa Xaa Pro Pro Leu Asp Pro Gln Glu Leu Asp Ile Leu Lys Thr Val  
 214 50 55 60  
 217 Lys Glu Ile Thr Gly Phe Leu Leu Ile Gln Ala Trp Pro Glu Asn Arg  
 218 65 70 75 80  
 221 Thr Asp Leu His Ala Phe Glu Asn Leu Glu Ile Ile Arg Gly Arg Thr  
 222 85 90 95  
 225 Lys Gln His Gly Gln Phe Ser Leu Ala Val Val Ser Leu Asn Ile Thr  
 226 100 105 110  
 229 Ser Leu Gly Leu Arg Ser Leu Lys Glu Ile Ser Asp Gly Asp Val Ile  
 230 115 120 125  
 233 Ile Ser Gly Asn Lys Asn Leu Cys Tyr Ala Asn Thr Ile Asn Trp Lys  
 234 130 135 140  
 237 Lys Leu Phe Gly Thr Ser Gly Gln Lys Thr Lys Ile Ile Ser Asn Arg  
 238 145 150 155 160  
 241 Gly Glu Asn Ser Cys Lys Ala  
 242 165  
 245 <210> SEQ ID NO: 5  
 246 <211> LENGTH: 161  
 247 <212> TYPE: PRT  
 248 <213> ORGANISM: Homo sapiens  
 250 <400> SEQUENCE: 5  
 252 Lys Val Cys His Leu Leu Glu Gly Glu Lys Thr Ile Asp Ser Val Thr  
 253 1 5 10 15  
 256 Ser Ala Gln Glu Leu Arg Gly Cys Thr Val Ile Asn Gly Ser Leu Ile

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257	20	25	30	
260	Ile Asn Ile Arg Gly Gly Asn Asn Leu Ala Ala Glu Leu Glu Ala Asn			
261	35	40	45	
264	Leu Gly Leu Ile Glu Glu Ile Ser Gly Tyr Leu Lys Ile Arg Arg Ser			
265	50	55	60	
268	Tyr Ala Leu Val Ser Leu Ser Phe Phe Arg Lys Leu Arg Leu Ile Arg			
269	65	70	75	80
272	Gly Glu Thr Leu Glu Ile Gly Asn Tyr Ser Phe Tyr Ala Leu Asp Asn			
273	85	90	95	
276	Gln Asn Leu Arg Gln Leu Trp Asp Trp Ser Lys His Asn Leu Thr Ile			
277	100	105	110	
280	Thr Gln Gly Lys Leu Phe Phe His Tyr Asn Pro Lys Leu Cys Leu Ser			
281	115	120	125	
284	Glu Ile His Lys Met Glu Glu Val Ser Gly Thr Lys Gly Arg Gln Glu			
285	130	135	140	
288	Arg Asn Asp Ile Ala Leu Lys Thr Asn Gly Asp Lys Ala Ser Cys Glu			
289	145	150	155	160
292	Asn			
296	<210> SEQ ID NO: 6			
297	<211> LENGTH: 161			
298	<212> TYPE: PRT			
299	<213> ORGANISM: Homo sapiens			
301	<400> SEQUENCE: 6			
303	Lys Val Cys Glu Glu Glu Lys Lys Thr Lys Thr Ile Asp Ser Val Thr			
304	1	5	10	15
307	Ser Ala Gln Met Leu Gln Gly Cys Thr Ile Phe Lys Gly Asn Leu Leu			
308	20	25	30	
311	Ile Asn Ile Arg Arg Gly Asn Asn Ile Ala Ser Glu Leu Glu Asn Phe			
312	35	40	45	
315	Met Gly Leu Ile Glu Val Val Thr Gly Tyr Val Lys Ile Arg His Ser			
316	50	55	60	
319	His Ala Leu Val Ser Leu Ser Phe Leu Lys Asn Leu Arg Leu Ile Leu			
320	65	70	75	80
323	Gly Glu Glu Gln Leu Glu Gly Asn Tyr Ser Phe Tyr Val Leu Asp Asn			
324	85	90	95	
327	Gln Asn Leu Gln Gln Leu Trp Asp Trp Asp His Arg Asn Leu Thr Ile			
328	100	105	110	
331	Lys Ala Gly Lys Met Tyr Phe Ala Phe Asn Pro Lys Leu Cys Val Ser			
332	115	120	125	
335	Glu Ile Tyr Arg Met Glu Glu Val Thr Gly Thr Lys Gly Arg Gln Ser			
336	130	135	140	
339	Lys Gly Asp Ile Asn Thr Arg Asn Asn Gly Glu Arg Ala Ser Cys Glu			
340	145	150	155	160
343	Ser			
347	<210> SEQ ID NO: 7			
348	<211> LENGTH: 150			
349	<212> TYPE: PRT			
350	<213> ORGANISM: Homo sapiens			
352	<400> SEQUENCE: 7			

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Input Set : A:\Substitute Sequence Listing 050179.0081.txt  
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354 Asp Leu Cys Pro Gly Thr Met Glu Glu Lys Pro Met Cys Glu Lys Thr  
 355 1 5 10 15  
 358 Thr Ile Asn Asn Glu Tyr Asn Tyr Arg Cys Trp Thr Thr Asn Arg Cys  
 359 20 25 30  
 362 Gln Lys Met Cys Pro Ser Thr Cys Gly Lys Arg Ala Cys Thr Glu Asn  
 363 35 40 45  
 366 Asn Glu Cys Cys His Pro Glu Cys Leu Gly Ser Cys Ser Ala Pro Asp  
 367 50 55 60  
 370 Asn Asp Thr Ala Cys Val Ala Cys Arg His Tyr Tyr Tyr Ala Gly Val  
 371 65 70 75 80  
 374 Cys Val Pro Ala Cys Pro Pro Asn Thr Tyr Arg Phe Glu Gly Trp Arg  
 375 85 90 95  
 378 Cys Val Asp Arg Asp Phe Cys Ala Asn Ile Leu Ser Ala Glu Ser Ser  
 379 100 105 110  
 382 Asp Ser Glu Gly Phe Val Ile His Asp Gly Glu Cys Met Gln Glu Cys  
 383 115 120 125  
 386 Pro Ser Gly Phe Ile Arg Asn Gly Ser Gln Ser Met Tyr Cys Ile Pro  
 387 130 135 140  
 390 Cys Glu Gly Pro Cys Pro  
 391 145 150  
 394 <210> SEQ ID NO: 8  
 395 <211> LENGTH: 153  
 396 <212> TYPE: PRT  
 397 <213> ORGANISM: Homo sapiens  
 399 <400> SEQUENCE: 8  
 401 Asp Ile Cys Pro Gly Thr Ala Lys Gly Lys Thr Asn Cys Pro Ala Thr  
 402 1 5 10 15  
 405 Val Ile Asn Gly Gln Phe Val Glu Arg Cys Trp Thr His Ser His Cys  
 406 20 25 30  
 409 Gln Lys Val Cys Pro Thr Ile Cys Lys Ser His Gly Cys Thr Ala Glu  
 410 35 40 45  
 413 Gly Leu Cys Cys His Ser Glu Cys Leu Gly Asn Cys Ser Gln Pro Asp  
 414 50 55 60  
 417 Asp Pro Thr Lys Cys Val Ala Cys Arg Asn Phe Tyr Leu Asp Gly Arg  
 418 65 70 75 80  
 421 Cys Val Glu Thr Cys Pro Pro Pro Tyr Tyr His Phe Gln Asp Trp Arg  
 422 85 90 95  
 425 Cys Val Asn Phe Ser Phe Cys Gln Asp Leu His His Lys Cys Lys Asn  
 426 100 105 110  
 429 Ser Arg Arg Gln Gly Cys His Gln Tyr Val Ile His Asn Asn Lys Cys  
 430 115 120 125  
 433 Ile Pro Glu Cys Pro Ser Gly Tyr Thr Met Asn Ser Ser Asn Leu Leu  
 434 130 135 140  
 437 Cys Thr Pro Cys Leu Gly Pro Cys Pro  
 438 145 150  
 441 <210> SEQ ID NO: 9  
 442 <211> LENGTH: 146  
 443 <212> TYPE: PRT  
 444 <213> ORGANISM: Homo sapiens

RAW SEQUENCE LISTING ERROR SUMMARY                    DATE: 06/11/2002  
PATENT APPLICATION: US/09/555,275A                    TIME: 16:07:51

Input Set : A:\Substitute Sequence Listing 050179.0081.txt  
Output Set: N:\CRF3\06112002\I555275A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:3; Xaa Pos. 15,16,17,18,19,20,21,22,23,109,110  
Seq#:4; Xaa Pos. 11,12,13,14,15,16,17,44,45,46,47,48,49,50

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/555,275A

DATE: 06/11/2002

TIME: 16:07:51

Input Set : A:\Substitute Sequence Listing 050179.0081.txt  
Output Set: N:\CRF3\06112002\I555275A.raw

L:138 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0  
L:142 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:16  
L:162 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:96  
L:201 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:0  
L:205 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:16  
L:209 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:32  
L:213 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4 after pos.:48